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Sequence Listing was accepted.

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Reviewer: Durreshwar Anjum

Timestamp: [year=2011; month=1; day=19; hr=15; min=21; sec=1; ms=477; ]

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Application No: 10547944

Version No: 1.0

**Input Set:****Output Set:****Started:** 2011-01-06 19:50:22.997**Finished:** 2011-01-06 19:50:24.278**Elapsed:** 0 hr(s) 0 min(s) 1 sec(s) 281 ms**Total Warnings:** 48**Total Errors:** 0**No. of SeqIDs Defined:** 48**Actual SeqID Count:** 48

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**Input Set:**

**Output Set:**

**Started:** 2011-01-06 19:50:22.997  
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Error code

Error Description

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<110> Frimurer, Thomas M.  
 Ulven, Trond  
 Hogberg, Thomas  
 Elling, Christian E.

<120> Pseudo-Sequence Method for Comparing 7TM Receptors with Respect  
 to the Physico-Chemical Properties of Their Binding Sites

<130> 41228-TM10001US

<140> 10547944

<141> 2011-01-06

<150> PCT/DK2004/000148

<151> 2004-03-05

<150> PA 2003 00353

<151> 2003-03-07

<160> 48

<170> PatentIn version 3.5

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<211> 22

<212> PRT

<213> Artificial Sequence

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<223> synthesized peptide

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Ser	Glu	Ala	Leu	Thr	Ala
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Gln	His	Tyr	Leu	Val	Gly	Asp	Gly	Leu	Ser	Ile	Asn	Phe	Leu	Phe	Ser
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Leu Tyr Ala Lys Val Thr  
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Gln Ile Phe Ile Gly Cys Gly Ser Glu Thr Glu Ile Phe Val Leu Cys  
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Leu Tyr Ser Leu Val Thr  
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Trp Thr Asp Val Val Thr Val Ser Pro Val Ser Ser Ser Trp Phe Phe  
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Asn Arg Ala Phe Asn Gly  
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Ser Thr Leu Leu Ser Leu Thr Thr Thr Ala Ala Ser Ser Ser Leu Val  
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Val Asn Gln Asp Ile Ala  
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Ser Ser Ile Phe Met Tyr Leu Ala Val Gly Ser Thr Gly Trp Tyr His  
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Lys Tyr Met Phe Thr Ser  
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Gln Met Phe Leu Gly Asp His Ala His Ala Cys Phe Asp Val Phe Leu  
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Leu Tyr Ala Thr Met Thr  
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Val His Ile Asp Leu Phe Leu Thr Asn Leu His Phe Gly Trp Tyr Glu  
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Gly Met Ala Ile Ser Ala  
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Ile Asp Phe Val Leu Leu Thr Gly Met Val Val Ile Thr Trp Phe Val  
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Val Met Thr Phe Gly Ile  
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Arg Thr Asp Val Thr Thr Ile Ser Pro Ala Cys Ser Ala Trp Phe Phe  
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Asn Asp Pro Trp Leu Gly  
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Ser Gly Gln Gly Val Ala Ile Met Ser Thr Val Tyr Arg Trp Leu Trp  
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Met Ser Asp Tyr His Ala  
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Gln Leu Phe Leu Gly Ser Asn Ser Gln His Val Asp Phe Leu Val Thr  
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Leu Tyr Ala Lys Leu Gly  
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Ala Ser Val Ser Leu Tyr Ala Ser Ala Gly Lys Asn Gly Trp His Gln  
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Thr Asp Val Met Ile Ala  
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Gln Val Phe Ile Ala Ser Ser Gly His Lys Ile His Phe Arg Ser Ala  
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Arg Val Phe Leu Val Thr  
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<210> 15

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<400> 15

Asn Leu Leu Ser Arg Thr Leu Asn Leu His Leu Tyr Glu Phe Ser Ile  
1 5 10 15

Gly Ser Met Phe Leu Thr  
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<210> 16

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<220>

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Thr Thr Phe Phe Phe Phe Val Ala Gln Asn Thr Asn Gly Trp Tyr Asn  
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Ile Glu Thr Leu Glu Ala  
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<210> 17

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Trp Thr Asp Val Cys Ser Ala Ser Pro Val Ala Ser Thr Trp Phe Phe  
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Asn Gln Ala Phe Thr Gly  
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Val Asn Ile Ser Leu Tyr Leu Ser Met Asn Leu Asn Gly Trp Phe Gln  
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Thr Asp Thr Thr Ser Ala  
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Gln Leu Ser Leu Gly Gly Asn Ser Gln Pro Thr Asn Ile Met Phe Cys  
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Leu Tyr Ile Lys Val Ala  
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Ile Pro Gln Leu Val Gly Leu Ala Glu Ser Ile Phe Tyr Trp Asn His  
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Tyr Arg Ser Thr Arg Ser  
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Gln Met Ile His Ser Met Ala Arg Ile Ser Leu Ser Tyr Tyr Met Ile  
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Ser His Arg Val Asn Leu  
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<400> 22

Tyr Tyr His Glu Ala Tyr Leu Ala Met Ile Asn Val Ser Trp Tyr His  
1 5 10 15

Arg Tyr Cys Tyr Asn Phe  
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<400> 23

Ala Ser Val Ser Leu Tyr Ala Ser Ala Gly Lys Asn Gly Trp His Gln  
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Thr Asp Val Met Ile Ala  
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<400> 24

Trp Ile Asp Val Ser Thr Ile Ser Ile Val Gly Ser Ser Trp Phe Phe  
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Asn Ala Val Leu Val Gly  
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<400> 25

Ser Arg Gln Tyr Leu His Phe Ser His Asp Thr Phe Leu Trp Leu Asn  
1 5 10 15

Val Leu Ser Tyr His Ala  
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Trp Leu Asp Tyr Ser Asn Leu Trp Ala Thr Thr Ala Ala Trp Tyr Asn  
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Val Ser Thr Trp Tyr Cys  
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<400> 27

Ile Ser Tyr Ser Phe His Leu Ala Ala Ala Gln Val Gly Gln Tyr Ser  
1 5 10 15

Leu Asp Thr Leu Ser Ala  
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<400> 28

Met Gly Met Ile Gly Leu Leu Gly Pro Ser Leu Ser Leu Trp Leu Leu  
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Ile Thr Val Leu Leu Ala  
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<400> 29

Gln Met Val His Tyr Ala Arg Arg Tyr Gly Val Ala Ala Tyr Ala Phe  
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Phe His Arg Ile Asn Val  
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Ile Gly Ser Ile Ser Glu Lys Tyr Ser Leu Leu Asn Cys Asn Val Ala  
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Ser Ser Leu Lys Leu Val  
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Gln Leu Phe Val Val Gly Asn Ser His Asn Ile Asn Phe Trp Phe Leu  
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Val Tyr Ile Arg Val Ser  
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Ala Gly Thr Val Ser Glu Ala Ala Pro Val Cys Leu Asp Met Ile Ser  
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Ala Ala Ser Lys Val His  
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<400> 33

Trp Val Asp Ile Ser Thr Ile Ser Pro Ala Ser Ser Ser Trp Phe Phe  
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Asn Leu Pro Phe Val Gly  
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<400> 34

Ile Pro Gln Leu Val Gly Leu Ala Glu Ser Ser Phe Phe Trp Asn His  
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Tyr Arg Ser Ser Arg Ala  
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<400> 35

Phe Gly Leu Thr Met Phe Ser Ser Thr Ala Lys Asn Gly Trp Phe His  
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Thr Asp Ala Leu Ile Gly  
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<400> 36

Arg Leu Phe Leu Gly Cys Val Ser Asp Ser Ile Ala Phe Leu Val Phe  
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Leu Tyr Gly Lys Val Ala  
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Gln Ile Ile His Gly Gly His Ser Gln Pro Leu Asp Tyr Phe Pro Met  
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Tyr Pro His Lys Ile Ala  
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<400> 38

Gln Ile Phe Leu Gly Thr Ala Trp Gly Gln Ser Thr Leu Val Leu Ser  
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Leu Tyr Gly Lys Leu Ala  
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<210> 39  
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<400> 39

Trp Leu Asp Tyr Ser Thr Trp Val Ile Lys Thr Ala Asn Trp Tyr Phe  
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Phe Ile Ala His Ile Gly  
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Ser Asn Leu Ile Met Phe Leu Ser Ser Thr Arg Phe Gly Trp Tyr His  
1 5 10 15



Asn Glu Leu Leu Thr Ala

20

<210> 41

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Thr Ala Phe Tyr Thr Tyr Gln Thr Leu Leu Ala Cys Gly Phe Tyr His

1

5

10

15

Ile His Met Leu Val Met

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Arg Ala Leu Asn Val Thr

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<210> 43

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Val Pro Gln Lys Val Gly Leu Ala Glu Asp Leu Phe Tyr Trp Leu His

1

5

10

15

Arg Lys Leu Asp Ile Ala

20

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Val Phe Thr Val Leu Asp Ile Gly Ala Thr Lys Phe Gly Trp Tyr His  
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Ser Glu Leu Ile Thr Ala  
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Ala Gly Thr Val Ser Ala  
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Phe Thr Ala Tyr Phe Ala  
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<210> 47

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Arg Phe Leu Leu Leu Thr  
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Cys Gly Ser Thr Leu Ala  
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